



The Kentucky Tech Curriculum

Office of Career and Technical Education
Equal Education Opportunities M/F/D

MASTER COURSE LIST

Effective: 12/28/2012

Welding

HS PSD/LEAD Code	High School Title/KCTCS Course No./Title		HS Credit	% Lecture	% Lab	% Experience
480503	BASIC WELDING A		.5	34%	66%	0%
	WLD 151	Basic Welding A				
480504	BASIC WELDING B		1	34%	66%	0%
	WLD 152	Basic Welding B				
480501	CUTTING PROCESSES		.5	25%	75%	0%
	WLD 110	Cutting Processes				
480502	CUTTING PROCESSES LAB		.5	25%	75%	0%
	WLD 111	Cutting Processes Lab				
480522	GAS METAL ARC WELDING		.5	25%	75%	0%
	WLD 140	Gas Metal Arc Welding				
480533	GAS METAL ARC WELDING GROOVE LAB		1	0%	100%	0%
	WLD 143	GMAW Groove Lab				
480532	GAS METAL ARC WELDING LAB		.5	25%	75%	0%
	WLD 141	GMAW Fillet Lab				
480525	GAS TUNGSEN ARC WELDING		.5	25%	75%	0%
	WLD 130	Gas Tungsten Arc Welding				
480529	GAS TUNGSEN ARC WELDING LAB		.5	25%	75%	0%
	WLD	Gas Tungsten Arc Welding				

	131	Fillet Lab				
480530	GTAW GROOVE LAB		1	0%	100%	0%
	WLD 133	GTAW Groove Lab				
480538	GTAW WELDING PIPE LAB I		1	0%	100%	0%
	WLD 235	Gas Tungsten Arc Welding Pipe Lab A				
480523	OXY-FUEL SYSTEMS		.5	25%	75%	0%
	WLD 100	Oxy-Fuel Systems				
480526	OXY-FUEL SYSTEMS LAB		.5	25%	75%	0%
	WLD 101	Oxy-Fuel Systems Lab				
480521	SMAW		.5	25%	75%	0%
	WLD 120	Shielded Metal Arc Welding (SMAW)				
480527	SMAW FILLET LAB		.5	25%	75%	0%
	WLD 121	SMAW Fillet Lab				
480528	SMAW GROOVE LAB		1	0%	100%	0%
	WLD 123	SMAW Groove Welds with Backing Lab				
480535	SMAW OPEN GROOVE LAB		1	0%	100%	0%
	WLD 225	SMAW Open Groove Lab				
480536	SMAW PIPE LAB A		1	0%	100%	0%
	WLD 227	Shielded Metal Arc Welding Pipe Lab A				
480505	WELDING BLUEPRINTS		.5	34%	66%	0%
	WLD 170	Blueprint Reading for Welding				
480506	WELDING BLUEPRINTS LAB		.5	34%	66%	0%
	WLD 171	Blueprint Reading for Welding Lab				
470302	* BASIC BLUEPRINT READING		.5	100%	0%	0%
	BRX	Basic Blueprint Reading				

	120					
480541	* CO-OP I (WELDING)		1	0%	0%	100%
	WLD 199	Cooperative Education I				
480542	* CO-OP II (WELDING)		2	0%	0%	100%
	WLD 299	Cooperative Education II				
480543	* CO-OP III (WELDING)		3	0%	0%	100%
	WLD 199	Cooperative Education I				
	WLD 299	Cooperative Education II				
470818	* FUNDAMENTALS OF MATH		.5	100%	0%	0%
	MTH 100	Fundamentals of Mathematics				
480534	* GMAW ALUMINUM LAB		.5	0%	100%	0%
	WLD 145	GMAW Aluminum Lab				
480540	* GMAW PIPE LAB I		1	0%	100%	0%
	WLD 245	GMAW Pipe Lab A				
460301	* INDUSTRIAL SAFETY		.5	100%	0%	0%
	ISX 100	Industrial Safety				
060112	* INTRO TO COMPUTERS (OFFICE TECH)		1	50%	50%	0%
	CIS 100	** Introduction to Computers for Office Technology				
060170	* PERSONAL FINANCIAL MGMT		.5	100%	0%	0%
	BAS 120	Personal Finance				
480544	* PRACTICUM I (WELDING)		1	0%	0%	100%
	WEL 198	Practicum I				
480545	* PRACTICUM II (WELDING)		2	0%	0%	100%
	WLD 298	Practicum II				

480546	* PRACTICUM III (WELDING)		3	0%	0%	100%
	WEL 198	Practicum I				
	WLD 298	Practicum II				
480537	* SMAW PIPE LAB B		1	0%	100%	0%
	WLD 229	Shielded Metal Arc Welding Pipe Lab B				
480507	* WELDING CERTIFICATION		.5	25%	75%	0%
	WLD 220	Welding Certification				
480508	* WELDING CERTIFICATION LAB		.5	25%	75%	0%
	WLD 221	Welding Certification Lab				
060191	* WORKPLACE PRINCIPLES		.5	100%	0%	0%
	WPP 200	Workplace Principles				

* - Before Course Title: Elective Course (See Notes Section)

* - After Course Title: Secondary Course; does not transfer to KCTCS

NOTES

CO-OP:

A student may repeat co-op or practicum for more than one credit, to the maximum number of credits allowed by the high school.

ELECTIVES:

The courses listed as electives are **not** part of certificate requirements. Elective courses may be an addition to any certificate but **not** a replacement or substitute for any required course.

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